

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER NREL 01-53 <div style="font-size: 1.5em; font-weight: bold; margin-top: 5px;">10/551598</div>
INTERNATIONAL APPLICATION NO. PCT/US02/05781	INTERNATIONAL FILING DATE 27 February 2002	PRIORITY DATE CLAIMED
TITLE OF INVENTION MONOLITHIC PHOTOVOLTAIC ENERGY CONVERSION DEVICE		
APPLICANT(S) FOR DO/EO/US MARK W. WANLASS AND ANGELO MASCARENHAS		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has <b>NOT</b> expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).  Items 11 to 20 below concern document(s) or information included: 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information:		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/551598</b>		INTERNATIONAL APPLICATION NO. PCT/US02/05781		ATTORNEY'S DOCKET NUMBER NREL 01-53	
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21. The following fees are submitted:				Applicant use	Office use only
<input checked="" type="checkbox"/>	a) Basic national fee.....	\$300.00		\$ 300.00	
<input checked="" type="checkbox"/>	b) Examination fee.....	\$200.00		\$ 200.00	
<input checked="" type="checkbox"/>	c) Search fee.....	\$500.00		\$ 500.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 1000.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250.00	\$ 0	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	77 - 20 =	57	x \$50.00	\$ 2850.00	
Independent claims	5 - 3 =	2	x \$200.00	\$ 400.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 4250.00</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 2125.00	
<b>SUBTOTAL =</b>				<b>\$ 2125.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 2125.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 40.00	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 2165.00</b>	
Amount to be refunded:					\$
Amount to be charged					\$

a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.

b. ☒ Please charge my Deposit Account No. 14-0460 in the amount of \$ 2165.00 to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0460. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.1 37(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Paul J. White  
NREL  
1617 Cole Blvd.  
Golden, CO 80401

*Paul J. White*  
SIGNATURE

PAUL J. WHITE  
NAME

30,436  
REGISTRATION NUMBER

The PTO did not receive the following listed item(s) No Assignment Document



JCO6 Rec'd PCT/PTO 30 SEP 2005 PCT\$

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**10/551598**

Applicant(s): Mark W. Wanlass et al.

Serial No.: PCT/US02/05781

Filed: February 27, 2002

Title: Monolithic, Photovoltaic Energy  
Conversion Device

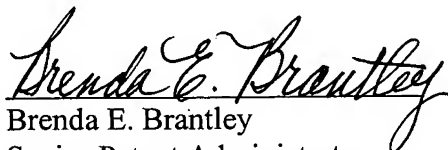
)  
) Examiner: Not Yet Accorded  
)  
) Group Art: Not Yet Accorded  
)  
) Atty. Dkt. No. NREL 01-52  
)  
)

**CERTIFICATE OF MAILING UNDER 37 CFR § 1.8**

I hereby certify that the following attached items:

- Petition for Revival of an International Application for Patent Designating the U.S. Abandoned Unintentionally Under 37 CFR § 1.137(b) [2 pages]
- Reply to Petition for Revival of Application [3 pages]
- Statement
- Transmittal Letter to the U.S. Designated/Elected Office [2 pages]
- Information Disclosure Statement [2 pages]
- Copy of Decision, dated 12 August 2005 [2 pages]
- Copy of PCT Inventors Declaration
- Notice of Incomplete NonProvisional Application
- Copy of Postcard Receipt , dated August 25, 2005
- Postcard Receipt

are being deposited in the United States Postal Service as first class mail, postage pre-paid, in an envelope addressed to: Commissioner for Patents, U.S. Patent & Trademark Office, P.O. Box 1450, MS Issue Fee, Alexandria, Va 22313-1450 on this 28th day of September 2005.

  
Brenda E. Brantley  
Senior Patent Administrator

National Renewable Energy Laboratory  
1617 Cole Boulevard  
Golden, CO 80401  
303/384-7572  
303/384-4799 (fax)

JC20 Rec'd PCT/PTO 30 SEP 2005

## IN THE U.S. PATENT AND TRADEMARK OFFICE

Inventor(s): Mark W. Wanlass et al. )  
)  
International (PCT) Application No.: )  
PCT/US02/05781 )  
)  
Filed: February 27, 2002 )  
)  
Title: Monolithic, Photovoltaic Energy )  
Conversion Device ) Atty Dkt. No.: NREL 01-52

## STATEMENT

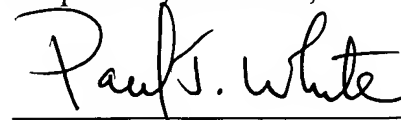
Commissioner for Patents  
P.O. Box 1450  
MS/PCT  
Alexandria, VA 22313-1450

Dear Sir:

The undersigned declares that the confusion created by the submittal of two transmittal forms at the original filing was unintentional.

The undersigned declares that all statements made herein are true and correct, and that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,



Paul J. White, Reg. No. 30,436  
Attorney for Applicants

Dated: September 28, 2005.

10/551598

JC20 Rec'd PCT/PTO 30 SEP 2005

EL 927021595US

NREL 01-52

DT03 Rec'd PCT/PTO 25 AUG 2004

The stamp of the U.S. Patent & Trademark Office hereon will acknowledge receipt of:

- 1) Transmittal Letter to the U.S. Designated/Elected Office  
Concerning a Filing Under 35 USC 371 [2 pgs.]
- 2) Utility Patent Application Transmittal
- 3) Inventors Declaration [2 pgs.]
- 4) Recordation Form Cover Sheet + Assignment [4 pgs.]
- 5) Information Disclosure Form + copies of cited references

Re Inventors: Mark W. Wanlass and Angelo Mascarenhas  
Title: Monolithic Photovoltaic Energy Conversion Device

13441 U.S. PTO  
10/932375



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